

400

9 Holes

← 15 Holes

CASING
CULHAPS

50

600

81186
File No. 81186Filed: 1-17-68 1968at 3:04 P. M.(Karlito Edwards) Clerk and Recorder

Powder River County

(Under Chapter 237, Montana Session Laws, 1961)

GW -

Top of Ground -

Elev. above sea level.

OWNER Keith B. PowellAddress Boulder MontDRILLER Lane Wells

Address _____

Date of Notice of Appropriation of Groundwater _____

Date well started 10-30-67 Completed 1-15-68Type of Well Drilled Equipment Used _____
(dug, driven, bored, drilled) (churn, drill, rotary, oil)Water Use: Domestic _____; Municipal _____; Stock ☒; Other _____;
Industrial _____; Drainage _____; Irrigation _____;

Indicate on diagram character and thickness of different strata met in drilling -ei, soil, clay, shale, gravel, rock, sand. Show depth at which water is found, thickness and character of water-bearing strata and height to which water rises in well.

| Size of Drilled Hole | Size and Weight of Casing | From (feet) | To (feet) | Perforations | | |
|----------------------|---------------------------|-------------|-----------|--------------|-------------|-------------|
| | | | | Kind Size | From (feet) | To (feet) |
| 8 5/8" | 8 5/8" | 0 | 700 | 468 | 437 | 4 1/2" hole |
| | | | | 410 | 396 | " " |

Static Water Level for non-flowing well _____ feet

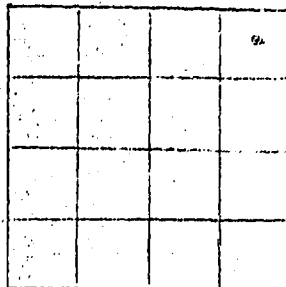
Shut-in Pressure for Flowing Well _____

Pumping Water Level _____ feet at _____ gal. per minute.

Discharge in Gal. per min. of flowing well _____

How Tested _____ Length of Test _____

Remarks: (Gravel packing, cementing, packers, type of shut-off, location of use if not at well, other similar pertinent information, including number of acres irrigated, if any.)

Sec 22, Twp. 98, Rge 53 East.STATE OF MONTANA)
County of Powder River) ss.Keith B. Powell having first been duly sworn, deposes and says that he is of lawful age and the appropriator and claimant of the order and water right mentioned in the foregoing notice of completion of groundwater appropriation by means of well and the person whose name is subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

Owner's Signature

Keith B. PowellSubscribed and sworn to before me, this 17th day of Jan, 1968.(Karlito Edwards)
Clerk and Recorder

GROUNDWATER INDEX

Page 1 of 1

County POWDER RIVER Twp. 9 SOUTH Rge. 54 EAST

[illegible]

File No. 84846
Filed: 8-1-69 19
at 9:06 A. M.
Charlotte Edwards
Clerk and Recorder
Powder River County (Under Chapter 237, Montana Session Laws, 1961)
By Myrtle M. Ribshaw, Deputy
Fee \$2.00

INDEXED ☒

Twp. 9 S. Rge. 54 E.
Sec. 2

Top of Ground -
Elev. above sea level. OWNER Dale Malley Address Alzada, Mont.
DRILLER Earl Drane Address Broadus, Mont.

0
30
80
87
101
133
140

0
80
87
101
133
140

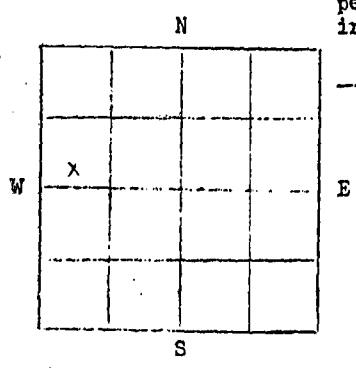
Date of Notice of Appropriation of Groundwater _____
Date well started 7-19-69 Completed 7-20-69
Type of Well drilled Equipment Used rotary
(dug, driven, bored, drilled) (churn, drill, rotary, etc)
Water Use: Domestic X; Municipal _____; Stock _____; Other _____;
Industrial _____; Drainage _____; Irrigation _____;

Indicate on diagram character and thickness of different strata met in drilling -ei, soil, clay, shale, gravel, rock, sand. Show depth at which water is found, thickness and character of water-bearing strata and height to which water rises in well.

| Size of Drilled Hole | Size and Weight of Casing | From (feet) | To (feet) | Perforations | | |
|----------------------|---------------------------|-------------|-----------|--------------|-------------|-----------|
| | | | | Kind Size | From (feet) | To (feet) |
| 6" | 4" plastic | 0 | 140 | slots | 111 | 133 |

Static Water Level for non-flowing well 80 feet
Shut-in Pressure for Flowing Well _____
Pumping Water Level 126 feet at 6 gal. per minute
Discharge in Gal. per min. of flowing well _____
How Tested pumping w/air Length of Test 2 hrs.

Remarks: (Gravel packing, cementing, packers, type of shut-off, location of use if not at well, other similar pertinent information, including number of acres irrigated, if any.)



20
Driller's License NO.
Earl Drane
Driller's Signature

Sec 2, Twp. 9, Rge 54 East.
SW 1/4 NW 1/4

STATE OF MONTANA)
County of Powder River) ss.

Dale Malley having first been duly sworn, deposes and says that he is of lawful age and the appropriator and claimant of the order and water right mentioned in the foregoing notice of completion of groundwater appropriation by means of well and the person whose name is subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

Owner's Signature Dale Malley

Subscribed and sworn to before me, this 4th day of August, 1969.

Charlotte Edwards By Myrtle M. Ribshaw, Deputy
Clerk and Recorder Powder River Co.
Broadus, Montana
(45630)

5258, Filed,
19
at M.

(2) STATE MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Twp 9 S. Rge. 1 E. 4
54

Clerk and Recorder
\$2.00 fee paid

DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED

MAR 9 1964

1. Wade Williams, of Broadus, Montana
County of POWDER RIVER, STATE OF MONTANA, have appropriated groundwater according to
the Montana Laws in effect prior to January 1, 1962, as follows: STATE ENGINEER

| W E I L L S | No. 1 | No. 2 | No. 3 | No. 4 | No. 5 | No. 6 |
|--------------------------|--|----------|--|---------|----------|----------|
| Basis of | Stock | Stock | Stock | Stock | Stock | Stock |
| 2. Beneficial Use | Stock | Stock | Stock | Stock | Stock | Stock |
| DATE DRILLED | 1954 | 1947 | 1954 | 1953 | 1954 | 1955 |
| 3. How continuously used | constant | constant | summer | summer | summer | summer |
| Amount Claimed | 10 gpm | 15 gpm | 15 gpm | 25 gpm | 15 gpm | 15 gpm |
| 4. (gal. per minute) | 10 gpm | 15 gpm | 15 gpm | 25 gpm | 15 gpm | 15 gpm |
| Irrigated description | | | | | | |
| Irrigation owner | | | | | | |
| 5. Irrigated acreage | | | | | | |
| Location (40 acres) | SWSW | NWNW | Center | NENW | SWSW | SWSW |
| 6. Withdrawal means | windmill | pump | pump | pump | windmill | windmill |
| 7. Completion date | 1954 | 1947 | 1954 | 1953 | 1954 | 1955 |
| 8. Water depth table | 70' | 66' | 60' | 216' | 50' | 60' |
| Type (drilled or dug) | drilled | drilled | drilled | drilled | drilled | drilled |
| 9. Size & Depth | 2"x126' | 4"x126' | 4"x111' | 4"x116' | 4"x111' | 4"x106' |
| Estimated annual | | | | | | |
| 10. amount withdrawn | | | | | | |
| 11. Other information | Cost receipt. | | | | | |
| 12. Log, if available | 0 - 10 surface soil 10 - 20 v. clay 20 - 40 S. shale 40 - 60 sandstone 60 - 110 Blue shale 110 - 126 Blue shale water | | 0 - 10 Surface soil 10 - 20 blue shale 20 - 80 water sand 80 - 111 blue shale water | | | |

STATE OF MONTANA)
ss.
County of Powder River)

Signature of Owner: /s/ Wade Williams

Date 12/30/63

Wade Williams having first been duly sworn, deposes and says that he is of lawful age and is the appropriator and claimant of the order and water right mentioned in the foregoing Declaration of Vested Groundwater Rights and the person whose name is subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.
Subscribed and sworn to before me this
30th day of December, 1963.

Clerk & Recorder, Powder
River County, Broadus, Montana

44968

#75258, Filed,
at _____, 19____,
M.







(2) STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

W-23
Twp _____ S, Rge _____ E
9 54
S-2

Clerk and Recorder
\$2.00 fee paid

DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

1. Wade Williams, of Broadus, Montana,
County of POWDER RIVER, STATE OF MONTANA, have appropriated groundwater according to
the Montana Laws in effect prior to January 1, 1962, as follows:

| |  Sec. 4 |  Sec. 3 |  Sec. 3 |  Sec. 2 |  Sec. 2 |  Sec. 16 |
|--------------------------|---|---|--|---|---|--|
| WELLS | No. 1 | No. 2 | No. 3 | No. 4 | No. 5 | No. 6 |
| Basis of | | | | | | |
| 2. Beneficial Use | Stock | Stock | Stock | Stock | Stock | Stock |
| DATE DRILLED | 1954 | 1947 | 1954 | 1953 | 1954 | 1955 |
| 3. How continuously used | 6 months | constant | summer | summer | summer | summer |
| Amount Claimed | | | | | | |
| 4. (gal. per minute) | 10 gpm | 15 gpm | 15 gpm | 25 gpm | 15 gpm | 15 gpm |
| Irrigated description | | | | | | |
| Irrigation owner | | | | | | |
| 5. Irrigated acreage | | | | | | |
| Location (40 acres) | SWSW | NWNW | Center | NENW | SWSW | SWSW |
| 6. Withdrawal means | windmill | pump | pump | pump | windmill | windmill |
| 7. Completion date | 1954 | 1947 | 1954 | 1953 | 1954 | 1955 |
| 8. Water depth table | 70' | 66' | 60' | 216' | 50' | 60' |
| Type (drilled or dug) | drilled | drilled | drilled | drilled | drilled | drilled |
| 9. Size & Depth | 2"x126' | 4"x126' | 4"x111' | 4"x116' | 4"x111' | 4"x106' |
| Estimated annual | | | | | | |
| 10. amount withdrawn | | | | | | |
| 11. Other information | Cost receipt. | | | | | |
| 12. Log, if available | 0 - 10 surface soil 10 - 20Y. clay 20 - 40 S. shale 40 - 60 sandstone 60 - 110 Blue shale 110-126 Blue shale water | | 0 - 10 surface soil 10 - 20 blue shale 20 - 80 water sand 80 - 111 blue shale water | | | |

STATE OF MONTANA)
ss.
County of Powder River)

Signature of Owner: /s/ Wade Williams

Date 12/30/63

Wade Williams having first been duly sworn, deposes and says that he is of
lawful age and is the appropriator and claimant of the order and water right mentioned in
the foregoing Declaration of Vested Groundwater Rights and the person whose name is sub-
scribed thereto, as the appropriator and claimant, that he knows the contents of said
foregoing notice and that the matters and things therein stated are true.
Subscribed and sworn to before me this
30th day of December, 1963.

Clerk & Recorder, Powder
River County, Broadus, Montana

STATE OF MONTANA



ADMINISTRATORS

JAMES H. KELLEY, EXEC. SECY.
P. O. BOX 217
HELENA, MONTANA 59601
JOHN H. RISKEN, ATTORNEY
P. O. BOX 217
HELENA, MONTANA 59601
BILLY B. LANE, GEOLOGIST
18 POLY DRIVE
BILLINGS, MONTANA 59101
GORDON D. LANQUETTE
PETROLEUM ENGINEER
18 POLY DRIVE
BILLINGS, MONTANA 59101
NORMAN J. BEAUDRY, ACCT.
P. O. BOX 217
HELENA, MONTANA 59601

OIL AND GAS CONSERVATION COMMISSION

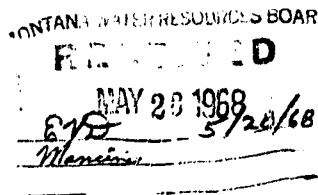
225 FULLER AVENUE
BOX 217
HELENA, MONTANA 59601

COMMISSIONERS

LYLE KASSEL, CHAIRMAN
142 THIRD SOUTH
SHELBY, MONTANA 59474
CLYDE BREWER, VICE-CHAIRMAN
P. O. BOX 594
ROUNDUP, MONTANA 59072
ALLEN ZIMMERMAN
480 D STREET
POPLAR, MONTANA 59285
WINSTON L. COX
1925 GRAND AVENUE
BILLINGS, MONTANA 59102
E. G. BALSAM
2300 PEARL
MILES CITY, MONTANA 59501

May 27, 1968

Water Conservation Board
Water Resources
Sam W. Mitchell Building
Helena, Montana 59601



Gentlemen:

Enclosed you will find a copy of a Release Agreement concerning the Samuel Gary Well No. 3-15, Section 3, Township 9 South, Range 54 East.

This well is being released to Wade Williams to be utilized as a fresh water well.

Sincerely yours,

N. J. Beaudry
Norman J. Beaudry
Executive Secretary

NJB:ml

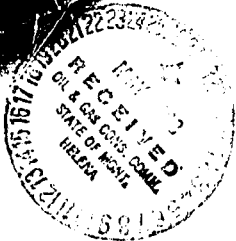
Enclosure

APPROVED BY:

Oil and Gas Conservation Commission

Gordon D. Lanquett
Petroleum Engineer or Executive Secretary

Dated: May 27 19 68



OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA

RECEIVED
MAY 22

RELEASE AGREEMENT

OIL AND GAS CONSERVATION
COMMISSION
OF THE STATE OF MONTANA

KNOW ALL MEN BY THESE PRESENTS, that I, WADE WILLIAMS
_____ of the County of Powder River in
the State of Montana, am the owner of the hereinafter described land upon which
a well for oil or gas was drilled, to-wit:

Operator Samuel Gary
Lease Name Williams
Well No. 3-15 Sec. 3, Twp. 9 South, Rge. 54 East
The well is located 660 feet N of the south
line and 1980 feet W of the east line.

That, in accordance with Regulation 233.6, Order No. 1-1, November 30, 1953,
I do hereby notify the Oil and Gas Conservation Commission of the State of Mon-
tana of my desire to utilize said well as a fresh water well; and, that if such
utilization is approved, I do hereby release and discharge the operator herein-
above named from any further work or responsibility in relation to the plugging
of said well.

WITNESS my hand and seal this 12th day of May 1968

Wade Williams (L.S.)
Landowner

Address Broadus Mont.

IN THE PRESENCE OF:

Gilbert Spurling Address 504 Richards Gillette Way
Billy C. Evans Address 210 Sunset Drive Gillette, Wyo.

APPROVED BY:

Oil and Gas Conservation Commission

Green D. Lammeth
Petroleum Engineer or Executive Secretary

Dated: May 24 1968

MONTANA WATER RESOURCES BOARD

RECEIVED

MAY 23 1968

General Rules and Regulations
Order No. 1-1, Nov. 30, 1953
Regulation 233.6

WELLS USED FOR FRESH WATER

When the well to be plugged may safely be used as a fresh water well, and such utilization is desired by the landowner, the well need not be filled above the required sealing plug set below fresh water; provided, that written notification of such utilization is secured from the landowner and filed with the Commission. Approval by the Petroleum Engineer of the work done shall relieve the operator of further responsibility.

File No. 83972
Filed: 1-29-1969
at 4:32 P. M.

RECEIVED

CW - 2

Notice of COMPLETION of Groundwater Twp. 25 Rge 57
Appropriation by Means of Well
Clerk and Recorder
Powder River County (Under Chapter 237, Montana Session Laws, 1961)

OWNER TANNER ESTATE Address BIDDLE, MONT.

Top of Ground -
Elev. above sea level. DRILLER EARL DRAKE Address BROADUS, MONT.

Date of Notice of Appropriation of Groundwater _____

Date well started 6-11-68 Completed 6-14-68

Type of Well drilled Equipment Used rotary
(dug, driven, bored, drilled) (churn, drill, rotary, etc)

Water Use: Domestic X; Municipal ; Stock ; Other ;
Industrial ; Drainage ; Irrigation ;

Indicate on diagram character and thickness of different strata met in drilling -ei, soil, clay, shale, gravel, rock, sand. Show depth at which water is found, thickness and character of water-bearing strata and height to which water rises in well.

| Size of Drilled Hole | Size and Weight of Casing | From (feet) | To (feet) | Perforations | | |
|----------------------|---------------------------|-------------|-----------|--------------|-------------|-----------|
| | | | | Kind Size | From (feet) | To (feet) |
| 6" | 4" | 118 | 0 | 319 | | |

Static Water Level for non-flowing well 180 feet

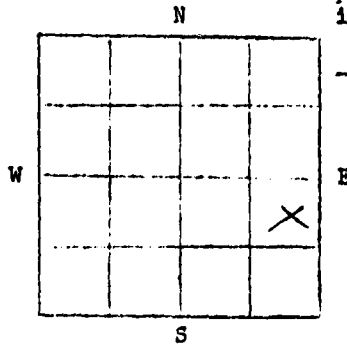
Shut-in Pressure for Flowing Well _____

Pumping Water Level 234 feet at 10 gal. per minute.

Discharge in Gal. per min. of flowing well _____

How Tested pumping Length of Test 3 hrs.

Remarks: (Gravel packing, cementing, packers, type of shut-off, location of use if not at well, other similar pertinent information, including number of acres irrigated, if any.)



Sec 5, Twp. 25, Rge 57 East.

STATE OF MONTANA)
County of Powder River) ss.

Ben Harold Trustee having first been duly sworn, deposes and says that he is of lawful age and the appropriator and claimant of the order and water right mention in the foregoing notice of completion of groundwater appropriation by means of well and the person whose name is subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein set are true.

Owner's Signature _____

Subscribed and sworn to before me, this 21 day of January, 1969.

CHARLOTTE EDWARDS
CLERK & RECORDER
Clerk and Recorder

44-968

MONTANA WATER RESOURCES BOARD

RECEIVED

GW -

S. 83972

1-29-1969

4:32 P. M.

JUL 8 1969

Charlotte Edwards
Clerk and Recorder

Notice of COMPLETION of Groundwater

Twp. Rge

Appropriation by Means of Well

Powder River County (Under Chapter 237, Montana Session Laws, 1961)

By Myself M. Williams, Deputy

3 Feb 22, 1969

OWNER TANNER ESTATE

Address BIDDLE, MONT.

Top of Ground -

Elev. above sea level. DRILLER EARL DRYE

Address BROADUS, MONT.

Date of Notice of Appropriation of Groundwater

0 5 top soil
5 32 sand stone
32 38 gravel & clay
38 110 blue shale
110 12 rock
112 135 sand
135 137 rock
137 158 sand
158 253 shale
258 272 sandy shale
272 287 shale
287 340 sand
340 342 shale

Date well started 5-11-68

Completed 6-14-68

Type of Well drilled

Equipment Used rotary

(dug, driven, bored, drilled)

(churn, drill, rotary, etc.)

Water Use: Domestic ☒; Municipal ☐; Stock ☐; Other ☐;
Industrial ☐; Drainage ☐; Irrigation ☐;

Indicate on diagram character and thickness of different strata met in drilling - i.e., soil, clay, shale, gravel, rock, sand. Show depth at which water is found, thickness and character of water-bearing strata and height to which water rises in well.

| Size of Drilled Hole | Size and Weight of Casing | From (feet) | To (feet) | Perforations | | |
|----------------------|---------------------------|-------------|-----------|--------------|-------------|-----------|
| | | | | Kind Size | From (feet) | To (feet) |
| 6" | 4" | 11 1/2 | 0 | 310 | | |

Static Water Level for non-flowing well 180 feet

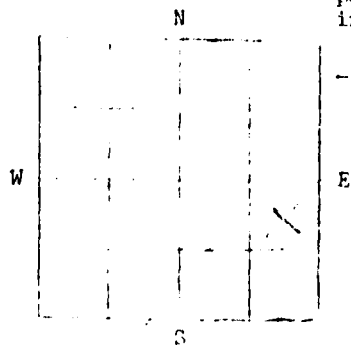
Shut-in Pressure for Flowing Well

Pumping Water Level 204 feet at 10 gal. per minute.

Discharge in Gal. per min. of Flowing well

How Tested pumping Length of Test 2 hrs.

Remarks: (Gravel packing, cementing, packers, type of shut-off, location of use if not at well, other similar pertinent information, including number of acres irrigated, if any.)



Sec. 4, Twp. 10N, Rge. 10E East.

STATE OF MONTANA)
County of Powder River) ss.

I, Earl Drye, having first been duly sworn, deposes and says that he is of lawful age and the appropriator and claimant of the order and water right mentioned in the foregoing notice of completion of groundwater appropriation by means of well and the person whose name is subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

Owner's Signature

Earl Drye
Tanner Estate

Subscribed and sworn to before me, this 27th day of January, 1969.

CHARLOTTE EDWARDS

CLERK & RECORDER

Clerk and Recorder

By Myself M. Williams, Deputy

413

County Powder River

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller. Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner John Giacometto

Address Boyer, Montana

Date well started 7-6-71

completed 7-3-71

Type of well drilled

Equipment used rotary

Water Use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐

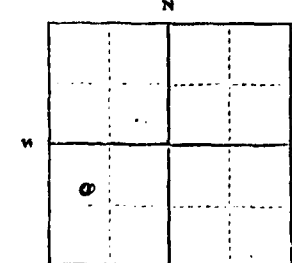
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*Describe

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL

| Size of drilled hole | Size and weight of casing | From (Feet) | To (Feet) | PERFORATIONS | | |
|----------------------------|---------------------------------|----------------|--------------|--------------|----------------|--------------|
| | | | | Kind Size | From (Feet) | To (Feet) |
| 6" | 1" steel | 10# 0 | 500 | 2-4" slots | 420 | 500 |



Static water level 275 ft.*
Pumping water level 375.24 ft.*
at 0 gallons per minute,
measured 0 minutes after pumping
began.
*Measured from ground level.
Well developed by boiling
for 2 hours.
Power Electric Pump 1 HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff)

N W 1/4 Sec. 6
T. 7 R. 54 E

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE.
EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature Earl Brown

Driller's Address Boyer, Montana

LICENSE NO. 20

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground (Elev. above sea level)

| From (Feet) | To (Feet) | |
|----------------|--------------|-----------------------|
| 0 | 26 | brown clay |
| 26 | 240 | blue clay |
| 240 | 248 | bentonite |
| 248 | 422 | blue clay |
| 422 | 500 | blue clay & sandstone |

87502

FILED

COUNTY CLERK and RECORDER

County of Powder River, Montana

I hereby certify that the within

instrument was filed for record in

this office, on the 16th day of

August, 1971

at Boyer, Montana

County Clerk and Recorder

By James J. Brown

Deputy

Filed

87502

FILED

COUNTY CLERK and RECORDER

County of Powder River, Montana

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instrument was filed for record in

this office, on the 16th day of

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Deputy

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at Boyer, Montana

County Clerk and Recorder

By James J. Brown

Deputy

Filed

87502

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COUNTY CLERK and RECORDER

County of Powder River, Montana

I hereby certify that the within

instrument was filed for record in

this office, on the 16th day of

August, 1971

at Boyer, Montana

County Clerk and Recorder

By James J. Brown

Deputy

Filed

87502

FILED

COUNTY CLERK and RECORDER

County of Powder River, Montana

I hereby certify that the within

instrument was filed for record in

this office, on the 16th day of

August, 1971

at Boyer, Montana

County Clerk and Recorder

By James J. Brown

Deputy

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County of Powder River, Montana

I hereby certify that the within

instrument was filed for record in

this office, on the 16th day of

August, 1971

at Boyer, Montana

County Clerk and Recorder

By James J. Brown

De

744-12 Filed,
at _____, 19____,
\$2.00 fee paid

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

DEC 23 1963

DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. _____, of _____,
County of POWDER RIVER, State of MONTANA, have appropriated groundwater according to
the Montana Laws in effect prior to January 1, 1962, as follows:

| | Sec. 34 | Sec. 35 | Sec. 36 | Sec. 37 | Sec. 38 | Sec. 39 |
|--|-----------------|------------------|------------------|--------------|------------------|------------------|
| | | | | | | |
| | Sec. 34 | Sec. 35 | Sec. 36 | Sec. 37 | Sec. 38 | Sec. 39 |
| WELLS | No. 313 | No. 214 | No. 315 | No. 416 | No. 517 | No. 618 |
| 2. Beneficial Use | stock | stock | stock | domestic | stock | stock |
| DATE OF USE | 1956 | 1957 | 1946 | 1959 | 1957 | 1954 |
| 3. How continuous | 2 mo. | 3 mo. | 6 mo. | constant | 6 mo. | 6 mo. |
| Amount claimed (gal. per minute) | 4 | 7 | 6 | 15 | 4 | 5 |
| Irrigated description | | | | | | |
| Irrigation owner | | | | | | |
| 5. Irrigated acreage | | | | | | |
| 6. Withdrawal means | SPW windmill | WISH windmill | WNEE windmill | WNEE pump | WNEE windmill | WNEE windmill |
| 7. Completion date | 1956 | 1957 | 1946 | 1959 | 1957 | 1954 |
| 8. Water depth table | 40' | 50' | 60' | 40' | 70' | 60' |
| Type (drilled or dug) | drilled | drilled | drilled | drilled | drilled | drilled |
| 9. Size & depth | 4" x 140' | 4" x 130' | 4" x 160' | 4" x 130' | 4" x 220' | 4" x 120' |
| Estimated annual 10. Amount withdrawn | | | | | | |
| 11. Other information | | | | | | |
| 12. Log, if available | | | | | | |

STATE OF MONTANA)
County of Powder River)

Signature of Owner Middle Land & Cattle Co.

Date 1-2-63

_____ having first been duly sworn, deposes and says
that he is of lawful age and is the appropriator and claimant of the order and water right
mentioned in the foregoing Declaration of Vested Groundwater Rights and the person whose
name is subscribed thereto, as the appropriator and claimant, that he knows the contents
of said foregoing notice and that the matters and things therein stated are true.

Subscribed and sworn to before me this _____ day of _____, 19____.

81922, Filed,
March 12, 1968,
Clerk and Recorder
\$2.00 fee paid

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Trp 8, Sec. 2

DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

1. W. J. Pettibone, of RIDDLE,
County of POWDER RIVER, STATE OF MONTANA, have appropriated groundwater according to
the Montana Laws in effect prior to January 1, 1962, as follows:

| | Sec. 19 | Sec. 37 | Sec. 36 | Sec. 19 | Sec. | Sec. |
|--------------------------|----------------------------|--------------------------|---------------|-------------------|-------|-------|
| W.F.L.S. | No. 1 | No. 2 | No. 3 | No. 4 | No. 5 | No. 6 |
| 2. Beneficial Use | STOCK | STOCK | Stock | DOMESTIC STOCK | | |
| DATE DRILLED | NATURAL SPRING | 1957 | 1945 | 1947 | | |
| 3. How continuously used | CUT CY | 1/2 HOLE | WINDMILL | FLOWING | | |
| Amount Claimed | WATERABLE | 3/4 PPM | 3 GAL PER MIN | 5 GAL PER MIN | | |
| 4. (gal. per minute) | NOT MEASURABLE | 109 PPM | 3 GAL PER MIN | 5 GAL PER MIN | | |
| Irrigated description | | | | GARDEN | | |
| Irrigation owner | | | | 4 AGT | | |
| 5. Irrigated acreage | | | | | | |
| Location (40 acres) | SW 1/4 SW 1/4 | SW 1/4 NE 1/4 | NW 1/4 NW 1/4 | SW 1/4 SW 1/4 | | |
| 6. Withdrawal means | | | WINDMILL TANK | SHALLOW PUMP | | |
| 7. Completion date | UNKNOWN | 1957 | 1945 | 1947 | | |
| 8. Water depth table | WINDMILL | ONE FLOW | 20 FT DEEP | 4 FT DEEP | | |
| Type (drilled or dug) | NATURAL | 16 WELL | DRILLED | DRILLED | | |
| 9. Size & Depth | 100 FT ACROSS 4 FT DEEP | 4 1/2 ACRES 6 FT DEEP | 200 DEEP | 200 FT DEEP | | |
| Estimated annual | WINDMILL | 1/2 IN STREAM | CASING | 1/2 IN CASING | | |
| 10. amount withdrawn | NOT MEASURABLE | 1/2 IN STREAM | CASING | 1/2 IN MEASURABLE | | |
| 11. Other information | | | | | | |
| 12. Log, if available | None | None | NONE | NONE | | |

STATE OF MONTANA)
County of Powder River) ss.

Signature of Owner: W. J. Pettibone
Walter J. Pettibone - LEASEE
Date MARCH 1, 1968

William J. Pettibone having first been duly sworn, deposes and says that he is of
lawful age and is the appropriator and claimant of the order and water right mentioned in
the foregoing Declaration of Vested Groundwater Rights and the person whose name is sub-
scribed thereto, as the appropriator and claimant, that he knows the contents of said
foregoing notice and that the matters and things therein stated are true.

Subscribed and sworn to before me this
18th day of March, 1968.
Mark D. Dwyer
Clerk & Recorder, Powder
River County, Broadus, Montana

42996

1922, Filed,
March 19, 1962,
at 3:30 P.M.
Clerk and Recorder
\$2.00 fee paid

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top 3, Sec 1

DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

1. W.J. Pettibone, of Biddle
County of POWDER RIVER, STATE OF MONTANA, have appropriated groundwater according to
the Montana Laws in effect prior to January 1, 1962, as follows:

| | TWN 9S RANGE 54E SW 1/4 SW 1/4 | TWN 9S RANGE 54E SW 1/4 NE 1/4 | TWN 9S RANGE 53E NW 1/4 NW 1/4 | TWN 9S RANGE 54E SW 1/4 SW 1/4 | | |
|--|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|-------|-------|
| | DRILLER SPRING | DRILLER WELL | DRILLER WELL | DRILLER WELL | | |
| | Sec. 19 | Sec. 31 | Sec. 36 | Sec. 19 | Sec. | Sec. |
| WELLS | No. 1 | No. 2 | No. 3 | No. 4 | No. 5 | No. 6 |
| 2. Beneficial Use | STOCK | STOCK | Stock | DOMESTIC STOCK | | |
| DATE DRILLED | NATURAL SPRING | 1957 | 1945 | 1947 | | |
| 3. How continuously used | OUT OF WATERABLE | WATER HOLE | WINDMILL | FLOWING | | |
| 4. Amount Claimed (gal. per minute) | NOT MEASURABLE | 100 GPM | 3 GAL PER MIN | 5 GAL PER MINUTE | | |
| Irrigated description | | | | GARDEN | | |
| Irrigation owner | | | | 4 AGS | | |
| 5. Irrigated acreage | | | | | | |
| Location (40 acres) | SW 1/4 SW 1/4 | SW 1/4 NE 1/4 | NW 1/4 NW 1/4 | SW 1/4 SW 1/4 | | |
| 6. Withdrawal means | | | WINDMILL | WELL | | |
| 7. Completion date | UNKNOWN | 1957 | 1945 | 1947 | | |
| 8. Water depth table | UNKNOWN | ONE FLOW | 20 FT DEEP | 4 FT DEEP | | |
| Type (drilled or dug) | NATURAL | WELL | DRILLED | DRILLED | | |
| 9. Size & Depth | 100 FT ACROSS 4 FT DEEP | 6 FT DEEP | 200 DEEP | 200 FT DEEP | | |
| Estimated annual 10. amount withdrawn | UNKNOWN | 1/2 IN STREAM | 2 INCH | 4 IN CASING | | |
| 11. Other information | | | | | | |
| 12. Log, if available | None | None | NONE DRILLER DEAD | NONE DRILLER DEAD | | |

STATE OF MONTANA
County of Powder River

Signature of Owner: W.J. Pettibone
Walter L. Pettibone - LEASEE
Date MARCH 1, 1962

William J. Pettibone having first been duly sworn, deposes and says that he is of
lawful age and is the appropriator and claimant of the order and water right mentioned in
the foregoing Declaration of Vested Groundwater Rights and the person whose name is sub-
scribed thereto, as the appropriator and claimant, that he knows the contents of said
foregoing notice and that the matters and things therein stated are true.

Subscribed and sworn to before me this
18th day of March, 1962.
Charles J. Carpenter
Clerk & Recorder, Powder
River County, Broadus, Montana

43996

File No. 74375 - Nov. 27, 1963
at 1:12 P.M. \$2.00 fee and ADMINISTRATOR OF GROUNDWATER CODE
Lucille Godsey, deputy
Clerk and Recorder

STATE OF MONTANA
OFFICE OF STATE ENGINEER

Typ 1-1 S, Pgs 54 E

RECEIVED
DEC 23 1963

DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Elmo Riesland, of Piddle
County of POWDER RIVER, State of MONTANA, have appropriated groundwater according to the
Montana laws in effect prior to January 1, 1962, as follows:

| | 7-5h | 7-5h | 8-5h ✓ | | | |
|----------------------------|------------------|----------|----------|-------|-------|-------|
| | Sec. 2h | Sec. 2h | Sec. 2h | Sec. | Sec. | Sec. |
| WELLS | No. 1 | No. 2 | No. 3 | No. 4 | No. 5 | No. 6 |
| 2. Basis of Beneficial Use | Domestic & Stock | Stock | stock | | | |
| 3. Date of use | -0- | spring | spring | | | |
| How continuous | constant | constant | constant | | | |
| 4. Amount claimed | all | all | all | | | |
| Irrigated description | | | | | | |
| 5. Irrigation owner | | | | | | |
| Irrigated acreage | | | | | | |
| 6. Location | NESW | NESW | NWNE | | | |
| Withdrawal means | pump | spring | spring | | | |
| 7. Completion date | -0- | spring | spring | | | |
| 8. Water depth table | 2h' | spring | spring | | | |
| Type | dug | spring | spring | | | |
| 9. Size & depth | 5' x 2h" | spring | spring | | | |
| Estimated annual | | | | | | |
| 10. Amount withdrawn | | | | | | |
| 11. Other information | | | | | | |
| 12. Log, if available | | | | | | |

STATE OF MONTANA)
County of Powder River) ss.

Signature of Owner

Date 11-2-63

Elmo Riesland

having first been duly sworn, deposes and says
that he is of lawful age and is the appropriator and claimant of the order and water right
mentioned in the foregoing declaration of vested groundwater rights and the person whose
name is subscribed thereto, as the appropriator and claimant, that he knows the contents
of said foregoing notice and that the matters and things therein stated are true.

Subscribed and sworn to before me this
6th day of November, 1963.

Lucille Godsey deputy
Clerk and Recorder
Powder River County
Broadus, Montana

11728

74954 Filed,
12-10, 1963,
at 1:12 P. M.
\$2.00 fee paid

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Twp 9 S, Rge 54 E

RECEIVED
DEC 23 1963

Business Today, Inc. DECLARATION OF VESTED GROUNDWATER RIGHTS
Clerk and Recorder (Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Glen Brimmer, of Biddle
County of POWDER RIVER, State of MONTANA, have appropriated groundwater according to
the Montana Laws in effect prior to January 1, 1962, as follows:

| | Sec. 34 | Sec. 33 | Sec. | Sec. | Sec. | Sec. |
|---------------------------------------|------------------|------------------|-------|-------|-------|-------|
| WELLS | No. 1 | No. 2 | No. 3 | No. 4 | No. 5 | No. 6 |
| Basis of Beneficial Use | Stock & Domestic | Stock & Domestic | | | | |
| DATE OF USE | 1910 | 1948 | | | | |
| 3. How continuous | Constant | Constant | | | | |
| 4. Amount claimed (gal. per minute) | 5 | 2-3 | | | | |
| Irrigated description | | | | | | |
| Irrigation owner | | | | | | |
| 5. Irrigated acreage | | | | | | |
| 6. Location | SE1/4 | SE1/4 | | | | |
| Withdrawal means | Pump | Pump | | | | |
| 7. Completion date | 1910 | 1948 | | | | |
| 8. Water depth table | 26' | 80' | | | | |
| Type (drilled or dug) | dug | drilled | | | | |
| 9. Size & depth | 45' | 300' | | | | |
| 10. Estimated annual Amount withdrawn | | | | | | |
| 11. Other information | | | | | | |
| 12. Log, if available | | | | | | |

STATE OF MONTANA)
County of Powder River) ss.

Signature of Owner Glen Brimmer

Date 11-26-63

Glen Brimmer

having first been duly sworn, deposes and says that he is of lawful age and is the appropriator and claimant of the order and water right mentioned in the foregoing Declaration of Vested Groundwater Rights and the person whose name is subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

Subscribed and sworn to before me this 26th day of

November 1963

Bruce Loring deputy

11738

Twp. 9 S. Rge. 4 E.Sec. 34File No. 85398Filed: 12/2 1969
at 9:08 A M.

INDEXED

Charlotte Edwards
Clerk and Recorder
Powder River County (Under Chapter 237, Montana Session Laws, 1961)
Fee \$2.00 Pd.

Notice of COMPLETION of Groundwater
Appropriation by Means of Well

By: Helen Y. Irion Deputy OWNER Arthur Malley Address _____Top of Ground - _____ Address Broadus, Mont.Elev. above sea level. DRILLER Earl Drane

Date of Notice of Appropriation of Groundwater _____

0 3 top soil
3 20 sandy clay Date well started Nov. 1969 Completed Nov. 1969
20 35 yellow sandstone
35 70 blue shale Type of Well drilled Equipment Used rotary
70 90 blue shale (dug, driven, bored, drilled) (churn, drill, rotary, etc.)
90 120 blue clay w/sand strks. Water Use: Domestic ; Municipal ; Stock ; Other ;
120 138 blue clay Industrial ; Drainage ; Irrigation ;
w/sand strks.

Indicate on diagram character and thickness of different strata met in drilling - ci, soil, clay, shale, gravel, rock, sand. Show depth at which water is found, thickness and character of water-bearing strata and height to which water rises in well.

| Size of Drilled Hole | Size and Weight of Casing | From (feet) | To (feet) | Perforations | | |
|----------------------|---------------------------|-------------|-----------|--------------|-------------|-----------|
| | | | | Kind Size | From (feet) | To (feet) |
| 6" | 4" | 11' | 0 | 138 4x1" | 78 | 138 |

Static Water Level for non-flowing well 65 feet

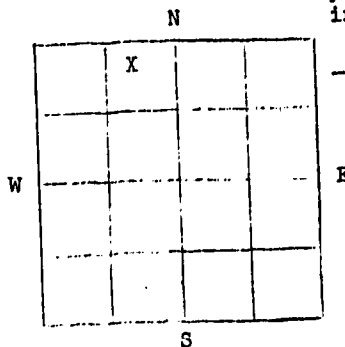
Shut-in Pressure for Flowing Well _____

Pumping Water Level 90 feet at 10 gal. per minute.

Discharge in Gal. per min. of flowing well _____

How Tested pumping & hauling Length of Test 24 hrs.

Remarks: (Gravel packing, cementing, packers, type of shut-off, location of use if not at well, other similar pertinent information, including number of acres irrigated, if any.)

Driller's License NO. 20

Earl Drane
Driller's Signature

MONTANA WATER RESOURCES BOARD
RECEIVED

DEC 3 1969

Sec. 34, Twp. 9, Rge. 54 East.

STATE OF MONTANA) ss.
County of Powder River)

Arthur Malley having first been duly sworn, deposes and says that he is of lawful age and the appropriator and claimant of the order and water right mentioned in the foregoing notice of completion of groundwater appropriation by means of well and the person whose name is subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

Owner's Signature Arthur MalleySubscribed and sworn to before me, this 2 day of December, 1969.

Charlotte Edwards
Clerk and Recorder, Powder River Co.
Broadus, Montana
By: Helen Y. Irion Deputy 45930

FILED 75244 Filed,
12-30-1963
at 10:40 A.M.

Lucille Rodas, deputy
Clerk and Recorder
\$2.00 fee paid

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Twp 9 S, Rge 2 E

RECEIVED
MAR 9 1964
STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

1. Francis Cadwell, of Alzada, Montana,
County of POWDER RIVER, STATE OF MONTANA, have appropriated groundwater according to
the Montana Laws in effect prior to January 1, 1962, as follows:

| | Sec. 35 | Sec. 35 | Sec. | Sec. | Sec. | Sec. |
|--------------------------|-----------|----------|-------|-------|-------|-------|
| WELLS | No. 1 | No. 2 | No. 3 | No. 4 | No. 5 | No. 6 |
| Basis of | | | | | | |
| 2. Beneficial Use | Stock | Stock | | | | |
| DATE DRILLED | 1955 | spring | | | | |
| 3. How continuously used | ann/fall | constant | | | | |
| Amount Claimed | | | | | | |
| 4. (gal. per minute) | 1 gpm | 1 gpm | | | | |
| Irrigated description | | | | | | |
| Irrigation owner | | | | | | |
| 5. Irrigated acreage | | | | | | |
| Location (40 acres) | SW 1/4 | SW 1/4 | | | | |
| 6. Withdrawal means | pump | flow | | | | |
| 7. Completion date | 1955 | -0- | | | | |
| 8. Water depth table | 180' | -0- | | | | |
| Type (drilled or dug) | drilled | -0- | | | | |
| 9. Size & Depth | 4" x 200' | -0- | | | | |
| Estimated annual | | | | | | |
| 10. amount withdrawn | | | | | | |
| 11. Other information | | | | | | |
| 12. Log, if available | | | | | | |
| | EQ 7008 | | | | | |

STATE OF MONTANA)
County of Powder River) SE.

Signature of Owner: Francis Cadwell

Date 12/30/63

Francis Cadwell having first been duly sworn, deposes and says that he is of
lawful age and is the appropriator and claimant of the order and water right mentioned in
the foregoing Declaration of Vested Groundwater Rights and the person whose name is sub-
scribed thereto, as the appropriator and claimant, that he knows the contents of said
foregoing notice and that the matters and things therein stated are true.

Subscribed and sworn to before me this
30th day of December, 1963.
Lucille Rodas, deputy
Clerk & Recorder, Powder
River County, Broadus, Montana

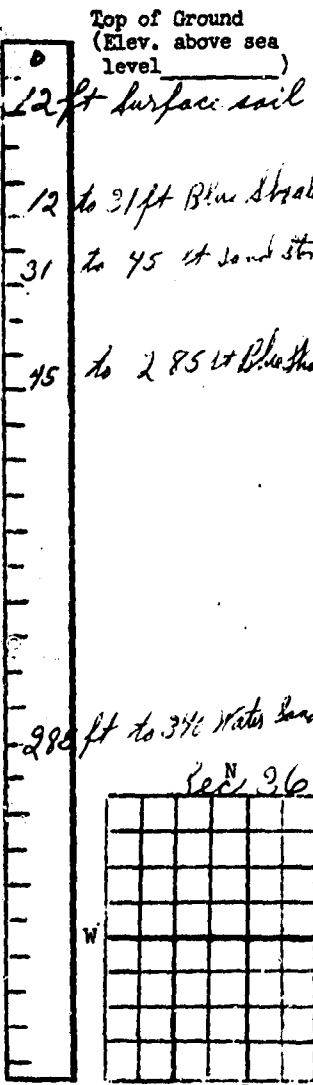
Francis Cadwell
35358

File No. 21921
Filed: March 18, 1968
3:30 P. M.
Frank Bandy
Clerk and Recorder
Powder River County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

T. 9 S. R. 24 E.
MONTANA WATER RESOURCES BOARD
RECEIVED
MAR 20 1968

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL
(Under Chapter 237, Montana Session Laws, 1961)



OWNER W. J. Pettibone Address 21ddLE
DRILLER FRANK BANDY Jr. Address BROADVUS
Date of Notice of Appropriation of Groundwater 1963
Date well started _____ Completed SAME DAY STARTED
Type of well Drilled Equipment used Rotary
(dug, driven, bored, drilled) (churn, drill, rotary, other)
Water Use: Domestic ☒ Municipal ☐ Stock ☒ Other ☐
Industrial ☐ Drainage ☐ Irrigation ☐
Indicate on diagram character and thickness of different strata met in drilling - s, soil, clay, shale, gravel, rock, sand. Show depth at which water is found, thickness and character of water-bearing strata and height to which water rises in well.
Size of Hole Drilled _____ Size & Weight of Casing _____ From _____ To _____
PERFORATIONS
Size _____ From _____ To _____
Static Water Level for non-flowing well 20 feet.
Shut-in Pressure for Flowing Well _____
Pumping Water Level 20 feet at 10 gal. per minute
Discharge in gal. per min. of flowing well _____
How Tested Drill Pump Length of Test 1 hr
Remarks: (Gravel packing, cementing, packers, type of shutoff, location of use if not at well, other similar pertinent information, including number of acres irrigated, if any)

Driller's License Number 16
Frank Bandy Jr.
Driller's Signature

STATE OF MONTANA)
County of POWDER RIVER) SS.
X William J. Pettibone having first been duly sworn, depose and say that he is of lawful age and the appropriator and claimant of the order and water right mentioned in the foregoing notice of completion of groundwater appropriation by means of well and the person whose name subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

X W. J. Pettibone
William J. Pettibone - Leases
Frank Bandy Jr.
Subscribed and sworn to before me, this 18th day of March, 1968

43,996

GROUNDWATER INDEX

Page 1 of 1

County Powder River Twp. N. 24 Rge. _____

[illegible]

T. 34 R. 46

County Powder River

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JUN 11 1932

WATER WELL LOG

STATE ENGINEER

| | | | |
|--|---|--|--|
| | | | |
| | | | |
| | X | | |
| | | | |

Owner Abbott-Wilson Place Address _____
Driller Bandy Drilling Co. Address _____
Date Started _____ Date Completed _____
Location: Sec. 11 T. 34 R. 46 $\frac{1}{4}$ sec. NESW

Type of well _____ Equipment used _____
(Dig, driven, bored, or drilled) (Churn drill, rotary, other)

Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other: _____

Casing: _____ ft. to 131' _____ ft. Type _____ Size 4"

Casing: _____ ft. to 42' _____ ft. Type galv. _____ Size 1 1/2"

Casing: _____ ft. to _____ ft. Type _____ Size _____

Perforated or Screened: Ft. _____ to ft. _____ Ft. _____ to ft. _____

Type of screen or perforations _____

Static Water level, for non-flowing well: _____ feet.

Shut-in pressure, for flowing well: _____ lb./sq. in. on: _____ (date)

Pumping water level 20' feet at _____ gal. per min.

How tested: _____

Length of test _____

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(over)

Log of Well

[illegible]

T. 45 R. 51 E. Sec. 34

County Powder River

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

RECEIVED

STATE ENGINEER

| | | |
|--|--|--|
| | | |
| | | |
| | | |
| | | |
| | | |

Owner Oscar Cain Address Broadus, Montana

Driller Henry Briant Address Ekalaka, Montana

Date Started 7-15-59 Date Completed 7-16-59

Location: Sec. T. R. 1/4 sec.

Type of well drilled (Dug, driven, bored, or drilled) Equipment used Rotary (Churn drill, rotary, other)

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other:

Casing: 14.0 ft. to 22 ft. Type Size

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 50 to ft. 22 Ft. to ft.

Type of screen or perforations

Static Water level, for non-flowing well: 72 feet

Shut-in pressure, for flowing well: lb./sq. in. on: (date)

Pumping water level: 80 feet at 4 1/2 gal. per min.

How tested: bailed

Length of test: 1 hr.

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(over)

[illegible][illegible]

CITY OF
COUNTY OF JACKSON and DEER
COUNTY, MISSISSIPPI
I have examined the
return of the _____
_____ 298

T. 45 R. 51 E Sec 34
County Powder River

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JUN 14 1962

By Seville Society 1/20 1900

WATER WELL LOG

STATE ENGINEER

Owner Art Kolka Address Broadus, Montana
Driller Henry Briant Address Ekalaka, Montana
Date Started 9-12-59 Date Completed 9-15-59
Location: Sec. T. R. 1/4 sec.

Type of well..... Drilled..... Equipment used..... Rotary.....
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other:.....

Casing: 1 1/2 ft. to 150 ft. Type Black Tubing Size 4" ID

Casing:.....ft. to.....ft. Type..... Size.....

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 66 to ft. 150 Ft. to ft.

Type of screen or perforations..... $\frac{1}{4}$ " round holes.....

Static Water level, for non-flowing well: 96 feet.

Shut-in pressure, for flowing well:.....lb./sq. in. on:.....
(date)

Pumping water level.....136.....feet at9 $\frac{1}{2}$gal. per min.....

How tested:.....Failed.....

Length of test..... 1 hr.

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

150' of 5 1/2" hole @ \$2.00 per ft. \$300.00

| | |
|----------------------------------|--------|
| 15' of 4" casing @\$2.00 per ft. | 302.00 |
|----------------------------------|--------|

.....\$602.00

(over)

[illegible][illegible]

File No. 78679
 9-19-66 at 4:00 P.M.
 DUPLICATE Charlotte Edwards
 Fee—\$2. Clerk & Recorder
 A. Myrtle M. Ridenour, LOG
 Deputy.

SEP 29 1966

T. _____ R. _____
 County Powder River

Billie _____ McDermott _____
 Butcher _____ McNulty _____
 Coyle _____
 Darlington _____ Sullivan _____
 Dickert _____
 STATE OF MONTANA
 ADMINISTRATOR OF GROUNDWATER CODE
 OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level _____)

1-5 grey silt
 5-15 yellow sand
 15-40 grey shale
 40-75 dark shale
 70-90 coal

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner John Wood Address VolburgmontDriller Henry Brant Address Chalabmont

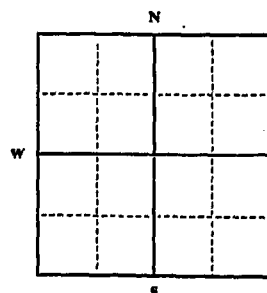
Date of Notice of appropriation of groundwater _____

Date well started July 28 Date completed July 29Type of well drilled Equipment used Pitney
 (Dug, driven, bored or drilled) (Churn drill, rotary or other)

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
 Industrial ☐ Drainage ☐ Other ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

| Size of Drilled Hole | Size and Weight of Casing | From (Feet) | To (Feet) | PERFORATIONS | | |
|----------------------|-----------------------------|-------------|-----------|-------------------|-------------|-----------|
| | | | | Kind Size | From (Feet) | To (Feet) |
| 5 1/2" | 4" ID 11 pound Per ft | 0 | 90 | Round shale 4" | 69' | 90' |

Static Water Level for non-flowing well 6.0 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 6.5 feet
 at 5 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested SurfLength of Test 1 hour

Remarks: (Gravel packing, cementing, packers, type of shutoff) _____

1/4 Sec. T. R.
 Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

Show exact depth of bottom.

90 ft

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Driller's License Number 66

Henry Brant
 Driller's Signature.

41,454

CHARLOTTE EDWARDS
CLERK & RECORDER, POWDER RIVER COUNTY
P. O. BOX J • BROADUS, MONTANA 59317 • PHONE 436-2361

MESSAGE

REPLY

TO Montana Department of Natural Resources
and Conservation
Sam Mitchell Bldg

Helena, Mt. 59601

DATE 8-24-73

On June 28, 1973 I filed a Notice of Appropriation of Groundwater for Atlantic Richfield Co. (copy enclosed). On doing some recent checking we discovered that the recording number on the document is 92682 but should be 92682. Please change your copy to read 92682.

Sorry for the trouble.

CHARLOTTE EDWARDS
POWDER RIVER COUNTY CLERK
BROADUS, MONTANA 59317

BY

Adelyn Bools, Deputy

NOTED by the District Board for, Box 505, Dallas, Texas

INSTRUCTIONS TO SENDER:

1. KEEP YELLOW COPY. 2. SEND WHITE AND PINK COPIES

DATE

RECEIVED

AUG 27 1973

MONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION

SIGNED

INSTRUCTIONS TO RECEIVER:

1. WRITE REPLY. 2. DETACH BLUE, KEEP PINK COPY, RETURN WHITE COPY TO SENDER.

7. The location, type, size and depth of well or wells contemplated NE NE Sec. 32-9S-53E

Drilled, 8 5/8", 900 ft.

8. The probable or estimated depth of the water-table or artesian aquifer 200'

9. The name, address, and license number of the driller engaged not known

10. Give such other similar information as may be useful in carrying out the policy of this act

LED Rec. No. 92682

County of Powder River, Montana

hereby certify that the within

instrument was filed for record in

his office, on the 28 day of

June, 1973 at 10:02

clock A.M.

Fee \$2.00 paid

For Administrator's Use

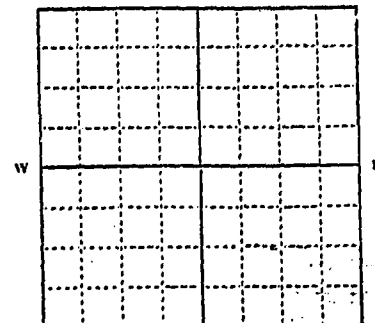
Charlotte Edwards

County Clerk and Recorder

File

y. *Adelyn Bools*

Deputy



NE 1/4 NE 1/4 Sec. 32

T. 9 R. 53 S. 53

LOCATE WELL OR OTHER MEANS OF
DEVELOPMENT AS ACCURATELY AS
POSSIBLE ON THE PLAT.

ATLANTIC RICHFIELD COMPANY

Signature of Appropriator

A. J. Cardwell Jr.

Date 6/26/73

*As defined in the Code Sec. 1 (c) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressures or is artificially withdrawn.

County Powder River

16-A

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD
NOTICE OF APPROPRIATION OF GROUNDWATER
(Under Chapter 237, Montana Session Laws, 1961, as amended)

RECEIVED

AUG 27 1973

After filing a notice of appropriation, in order to acquire a right based thereon, the person must, within ninety (90) days, commence actual excavation and diligently prosecute construction of a well and, upon its completion, file a notice of completion with the County Clerk of the county in which the appropriation is located.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

1. Atlantic Richfield Company of 501 Lincoln Tower Bldg. Denver
(Name of Appropriator) (Address) (Town)
County of Denver, State of Colorado 80203, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.
2. The beneficial use to which water is to be applied is secondary recovery by water injection into the Muddy Sand, in Secs. 28, 29, 32 & 33, T9S, R53E.
(describe lands to be benefited, if for irrigation)
3. The rate of use in gallons per minute or miner's inches of groundwater claimed 117 Gals.
per minute (4000 Bbls per day)
The estimated amount of groundwater to be used annually 64,000,000 gals. (1,960,000 bbls)
4. The annual period (inclusive dates) of intended use 1973 through 1983
5. The probable or intended date of first beneficial use 10-1-73
6. The probable or intended date of commencement and completion of the well* or wells* 8-1-73
7. The location, type, size and depth of well or wells contemplated NE NE Sec. 32-9S-53E
Drilled, 8 5/8", 900 ft.
8. The probable or estimated depth of the water-table or artesian aquifer 200'
9. The name, address, and license number of the driller engaged not known
10. Give such other similar information as may be useful in carrying out the policy of this act

LED Rec. No. 92682

County of Powder River, Montana

hereby certify that the within

instrument was filed for record in

his office, on the 28 day of

June, 1973 at 10:02

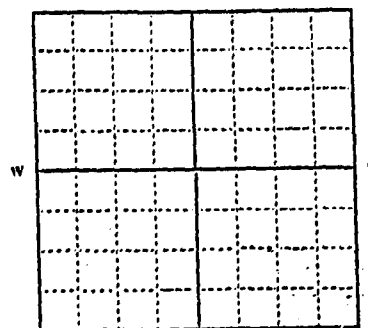
clock A M. Fee \$2.00 paid For Administrator's Use

Charlotte Edwards

County Clerk and Recorder

By Allyn Butler

Deputy



NE 1/4 NE 1/4 Sec. 32

T. 9 R. 53 S. 53

LOCATE WELL OR OTHER MEANS OF DEVELOPMENT AS ACCURATELY AS POSSIBLE ON THE PLAT.

ATLANTIC RICHFIELD COMPANY

Signature of Appropriator

C. S. Cardwell Jr.

Date 6/26/73

*As defined in the Code Sec. 1 (c) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressures or is artificially withdrawn.